APPLICATION LAYER
PRESENTATION LAYER
SESSION LAYER
TRANSPORT LAYER
NETWORK LAYER
LINK LAYER
PHYSICAL LAYER

FIG. 1

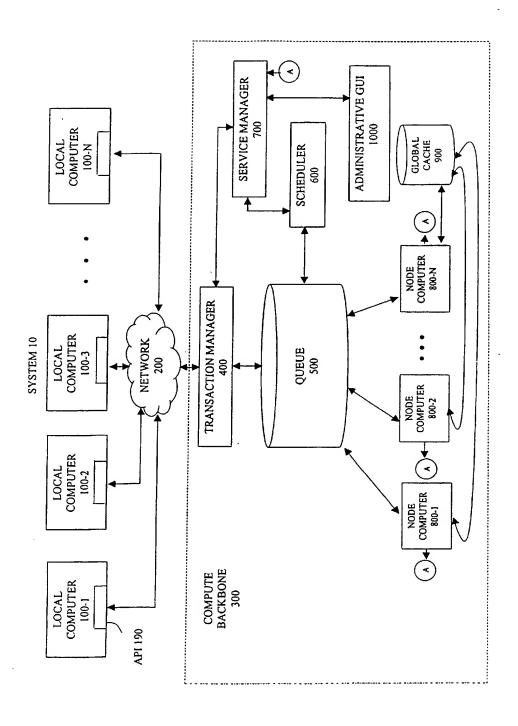
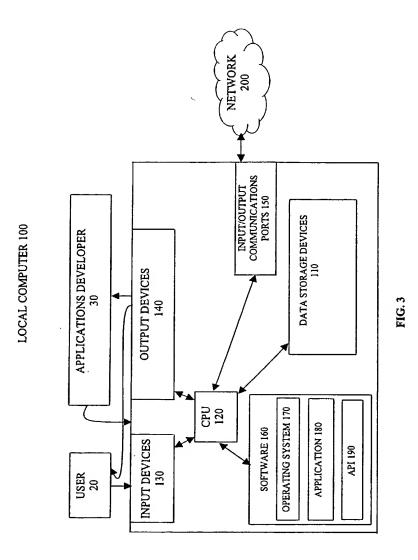
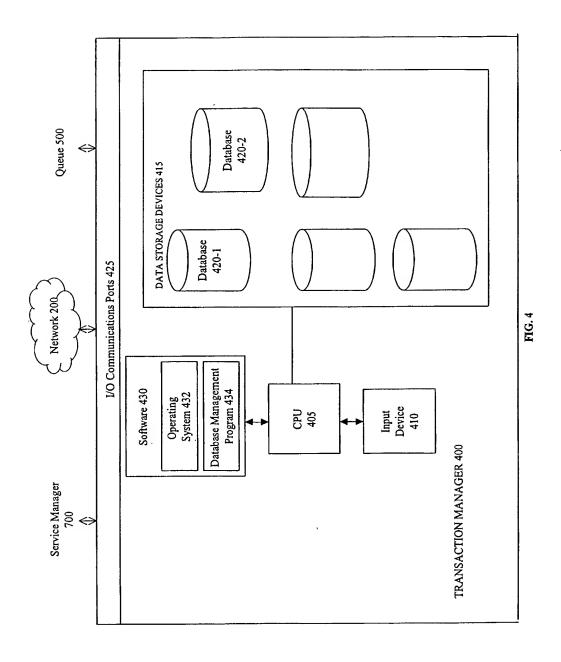
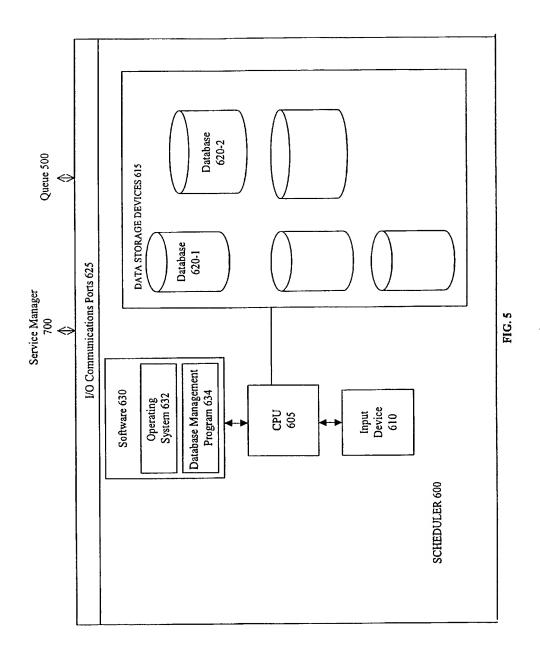
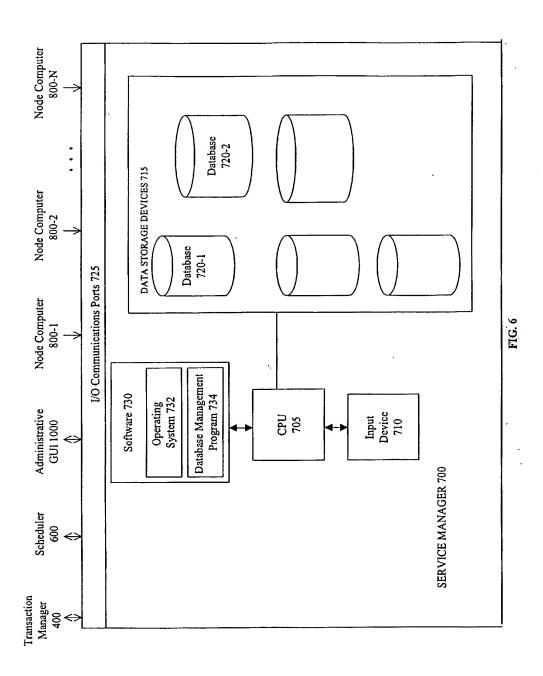


FIG. 2









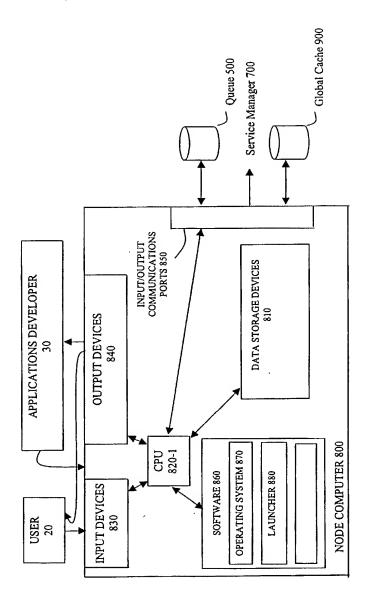


FIG. 7

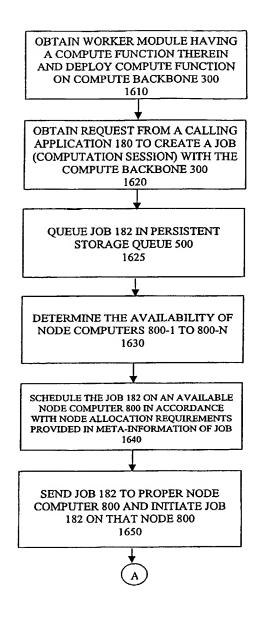


FIG. 8a

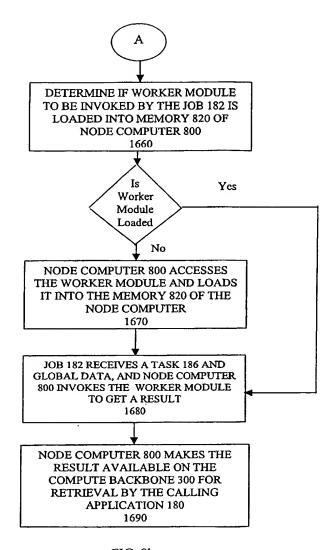


FIG. 8b

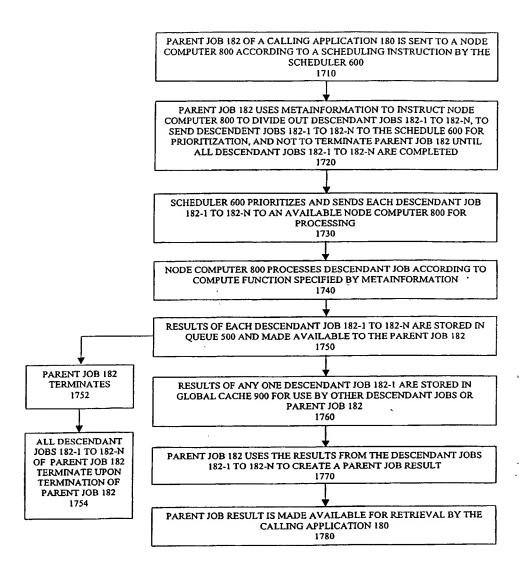
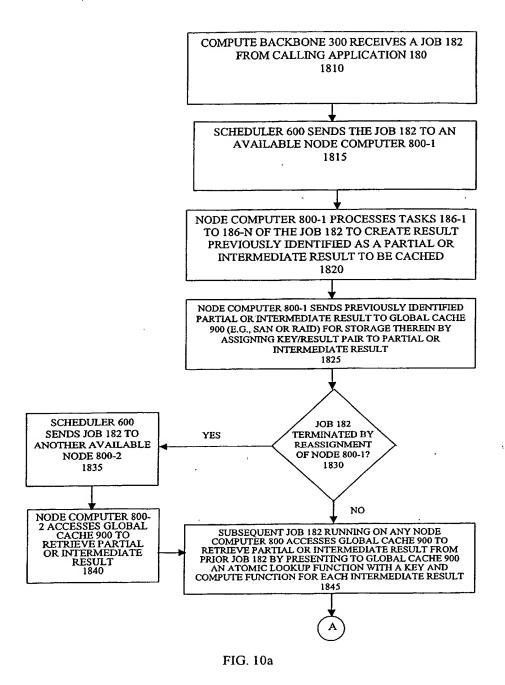


FIG. 9



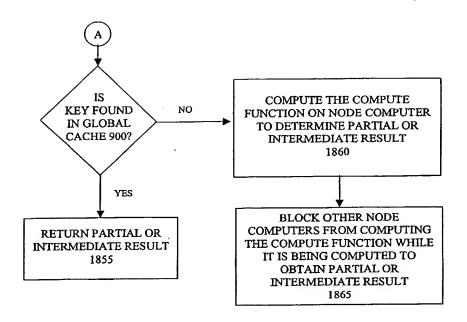


FIG. 10b

100

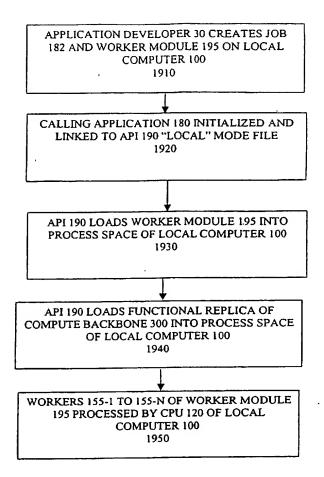
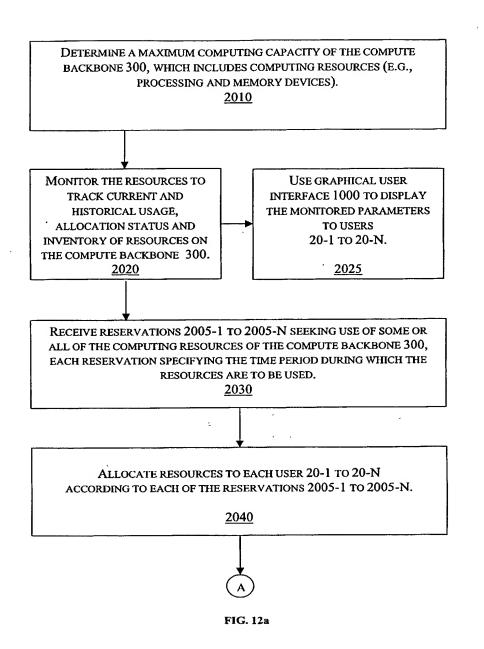


FIG. 11



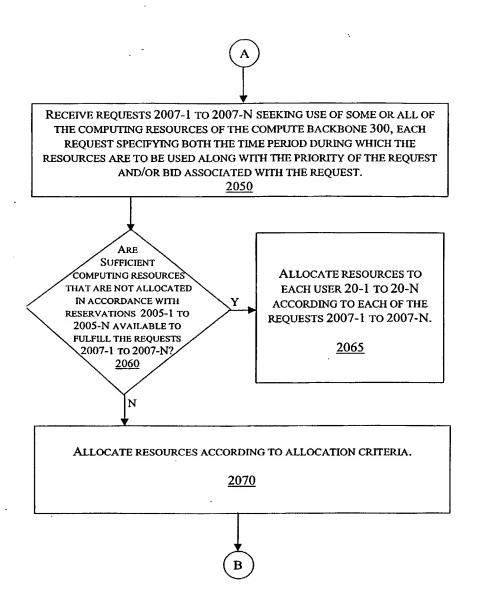


FIG. 12b

IN ORDER TO SATISFY THE RESERVATIONS 2005-1 TO 2005-N, ADD OR REMOVE A COMPUTING RESOURCE WHILE THE COMPUTE BACKBONE 300 IS OPERATING.

2080

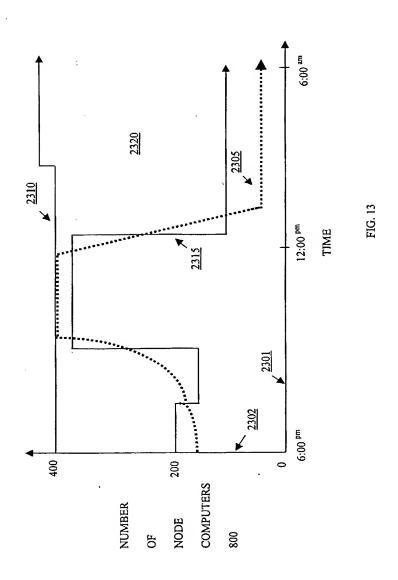
GENERATE A RECORD CONTAINING INFORMATION FOR EACH USER 20-1 TO 20-N INCLUDING RESOURCES AVAILABLE, RESOURCE ALLOCATION AND RESOURCE USAGE.

2090

CREATE INFORMATION USED TO BILL OR CHARGE EACH USER 20-1 TO 20-N BASED ON FACTORS INCLUDING THE NUMBER AND TYPE OF RESOURCES RESERVED, THE TIME PERIOD OF THE RESERVATION, THE LENGTH OF THE

FIG. 12c

RESERVATION, THE NUMBER AND TYPE OF RESOURCES REQUESTED, THE TIME PERIOD OF THE REQUEST, THE LENGTH OF TIME OF THE REQUEST, THE PRIORITY OF THE REQUEST AND/OR THE ACTUAL USAGE OF THE RESOURCES. 2100



USER NAMES	USER 20-3	In Use	09	In Use	120	,	ln Use	34	
		Reserved In Use	40	Reserved In Use	80		Reserved In Use	40	
	20-2	In Use	30	In Use	09		In Use	33	
	USER 20-2	Reserved In Use	20	Reserved In Use	40		Reserved In Use	30	
	USER 20-1	In Use	. 01	In Use	20		In Use	33	
		Reserved In Use	20	Reserved In Use	40		Reserved In Use	30	
	TYPE/NUMBER OF NODE COMPUTER 800 TYPE 1/100			TYPE 2/200			TYPE 3/100		

IG. 14